

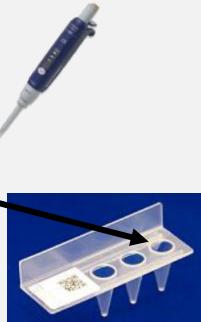
# geneLEAD VIII for Pathogens xB:

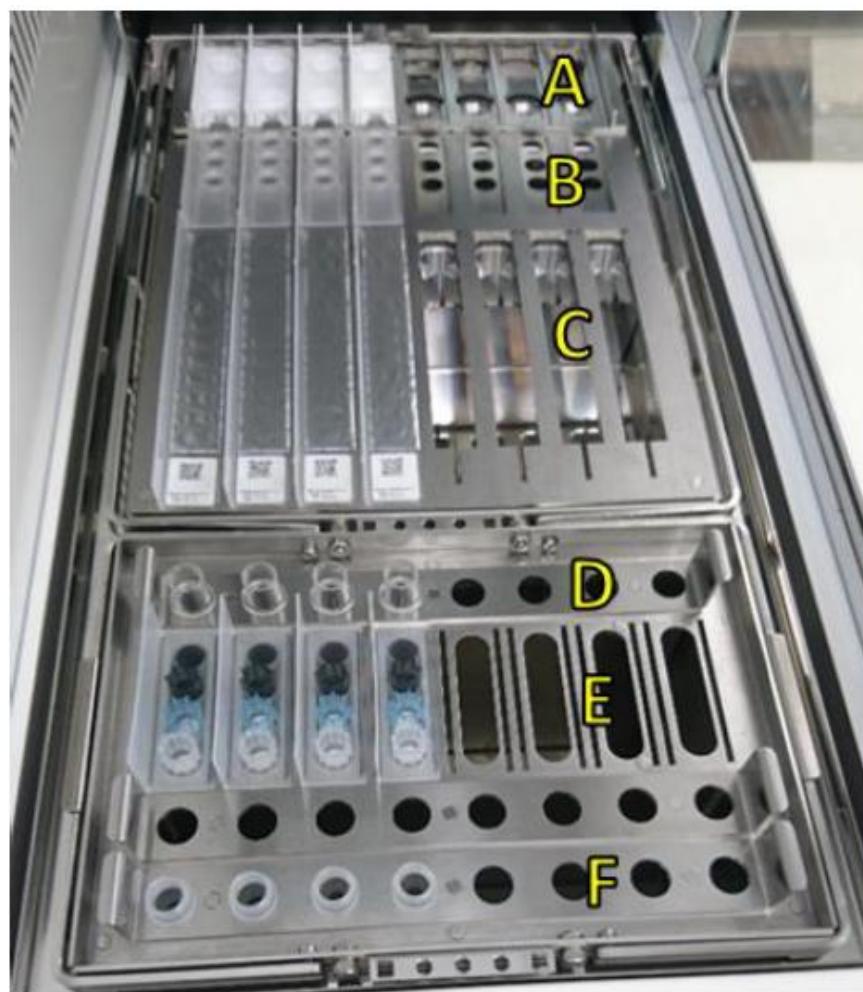
## RNA/DNA extraction and PCR amplification starting with GINA Lysates (from GINA 500 or GINA Lyse 200)

February 2026  
V005

*This brief instructions are based on ,Pathogens xB\_instructions for use\_E\_2025\_07\_01'. In case of contradictory information within this brief instructions, the information in the currently applicable instructions for use for ,Pathogens xB' prevails.*

**A**  **Insert PCR Cassette (remove black cover)**

**B**  **Fill well 1 with 20µl PCR-mix**  
**Insert pipette deeply!**  
**Insert PCR Reagent Cassette**



**C**  **Dissolve magnetic beads (shake down) of extraction cartridge and insert cartridge – wipe aluminum surface to clean**

**D**  **GINA**  
**Insert sample tube:**  
**GINA Lysate: open LE Solution tube**  
**Other: Fill sample (230 µL) into open sample tube (from Consumable Set)**

**E**  **Insert tip racks**

**F**  **Insert open Elution Tube (0.5ml) (keep lids in a clean space)**

Check if all reagents are „in line“ before starting

Storage <18 hours: 4°C to 8°C / Storage > 18 hours: -25°C to -15°C

**Detail PCR**

**Testing**  
**Bacteria**  
**Fungi**

 **PCR Mix:**  
20µl PCR-Box Bacteria 48rx-s  
20µl PCR-Box Fungi 48rx-s

**PCR Protocol:**  
CDX Bacteria\_xB\_gLVIII\_xx  
CDX Fungi\_xB\_gLVIII\_xx

xx..Version information

**Start Extraction + PCR** Follow instructions of the software → Chose protocol  
→ **Extraction + PCR**

**Unload geneLEAD VIII**

**Rack 2 (D/E/F):** Remove Elution Tubes (F), close them and mark them.  
**Check the eluates: Must be colourless, clear and without beads.**  
Discard the rest of the consumables.

**Rack 1 (A/B/C):** Remove the PCR Cassettes (A) and put them into the **PCR Rack provided by Cube Dx.** Discard the rest of the consumables.